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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/Caplus F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/Caplus to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/Caplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/Caplus patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/Caplus accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/Caplus enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/Caplus Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	22	JAN 22	CA/Caplus updated with revised CAS roles
NEWS	23	JAN 22	CA/Caplus enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:36:51 ON 10 FEB 2007

=> file medline, uspatful

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 16:37:19 ON 10 FEB 2007

FILE 'USPATFULL' ENTERED AT 16:37:19 ON 10 FEB 2007

CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

=> s disorazole polyketide synthase

L1 3 DISORAZOLE POLYKETIDE SYNTHASE

=> d l1 ti abs ibib tot

L1 ANSWER 1 OF 3 MEDLINE on STN

TI The biosynthetic genes for disorazoles, potent cytotoxic compounds that disrupt microtubule formation.

AB Disorazoles are polyketides produced by the myxobacterium *Sorangium cellulosum* So cel2. Their mode of action is to inhibit tubulin polymerization and destabilize microtubules. Using transposon mutagenesis, two mutant strains were identified that produced no disorazoles. Sequencing the DNA flanking the insertions revealed a polyketide synthase gene cluster that would encode three polypeptides, DszA, DszB, and DszC, with DszC containing both nonribosomal peptide synthetase and polyketide synthase modules. The disorazole polyketide synthase modules lack an acyltransferase domain. Instead, a separate gene, dszD, encodes an AT protein, thus revealing that the disorazole gene cluster falls into the trans-AT Type I family of PKS enzymes.

ACCESSION NUMBER: 2005510232 MEDLINE
DOCUMENT NUMBER: PubMed ID: 16084035
TITLE: The biosynthetic genes for disorazoles, potent cytotoxic compounds that disrupt microtubule formation.
AUTHOR: Carvalho Ruby; Reid Ralph; Viswanathan Nina; Gramajo Hugo; Julien Bryan
CORPORATE SOURCE: Kosan Biosciences, Inc., 3832 Bay Center Place, Hayward, CA 94545, USA.
CONTRACT NUMBER: R43 CA105615-01 (NCI)
SOURCE: Gene, (2005 Oct 10) Vol. 359, pp. 91-8.
Journal code: 7706761. ISSN: 0378-1119.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-DQ013294
ENTRY MONTH: 200511
ENTRY DATE: Entered STN: 27 Sep 2005
Last Updated on STN: 15 Dec 2005
Entered Medline: 29 Nov 2005

L1 ANSWER 2 OF 3 USPATFULL on STN

TI Genes encoding the synthetic pathway for the production of disorazole

AB The present invention relates to nucleic acid sequences and proteins derivable therefrom that have been identified in *Sorangium cellulosum*, which proteins are catalytically active or participate in the biosynthetic pathway of disorazoles. The invention provides novel

sequences which are necessary components of the disorazole biosynthetic pathway in addition to genes dszA-D.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:233798 USPATFULL
TITLE: Genes encoding the synthetic pathway for the production of disorazole
INVENTOR(S): Irschik, Herbert, Wolfenbuttel, GERMANY, FEDERAL REPUBLIC OF
Kopp, Maren, Saarbrucken, GERMANY, FEDERAL REPUBLIC OF
Muller, Rolf, Blieskastel, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006199252	A1	20060907
APPLICATION INFO.:	US 2006-330623	A1	20060112 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2005-100190	20050113
	US 2005-643899P	20050114 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WILLIAM COLLARD, COLLARD & ROE, P.C., 1077 NORTHERN BOULEVARD, ROSLYN, NY, 11576, US	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	23 Drawing Page(s)	
LINE COUNT:	3876	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 3 OF 3 USPATFULL on STN

TI Disorazole polyketide synthase encoding polynucleotides

AB Domains of disorazole polyketide synthase and polynucleotides encoding them are provided. Methods to prepare disorazoles in pharmaceutically useful quantities are described, as are methods to prepare disorazole analogs and other polyketides using the polynucleotides encoding disorazole polyketide synthase domains or modifying enzymes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:37505 USPATFULL
TITLE: Disorazole polyketide synthase encoding polynucleotides
INVENTOR(S): Julien, Bryan, Oakland, CA, UNITED STATES
Reid, Ralph C., San Rafael, CA, UNITED STATES
PATENT ASSIGNEE(S): Kosan Biosciences, Inc., Hayward, CA, UNITED STATES, 94545 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005032184	A1	20050210
APPLICATION INFO.:	US 2003-729802	A1	20031205 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-512892P	20031020 (60)
	US 2003-484934P	20030702 (60)
	US 2003-473311P	20030522 (60)
	US 2003-465038P	20030423 (60)
	US 2003-455521P	20030317 (60)
	US 2002-431272P	20021206 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO
CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Page(s)
LINE COUNT: 4711
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Refine Search

Search Results -

Terms	Documents
L4 and (DszC)	5

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

Search History

DATE: Saturday, February 10, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=OR

L5 L4 and (DszC) 5 L5

L4 L3 and mutation 7632 L4

L3 disorazole polyketide synthase 13291 L3

DB=PGPB; PLUR=YES; OP=OR

L2 L1 and (98%) 1 L2

L1 20050032184 1 L1

END OF SEARCH HISTORY

Hit List

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 6274372 B1

L5: Entry 1 of 5

File: USPT

Aug 14, 2001

US-PAT-NO: 6274372

DOCUMENT-IDENTIFIER: US 6274372 B1

TITLE: Rhodococcus flavin reductase complementing DszA and DszC activity

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gray; Kevin A.	The Woodlands	TX		
Childs; John D.	The Woodlands	TX		
Squires; Charles H.	The Woodlands	TX		

US-CL-CURRENT: 435/282; 435/189, 435/252.3, 435/252.33, 435/281, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 2. Document ID: US 6133016 A

L5: Entry 2 of 5

File: USPT

Oct 17, 2000

US-PAT-NO: 6133016

DOCUMENT-IDENTIFIER: US 6133016 A

**** See image for Certificate of Correction ****

TITLE: Sphingomonas biodesulfurization catalyst

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Darzins; Aldis	The Woodlands	TX		
Mrachko; Gregory T.	Spring	TX		

US-CL-CURRENT: 435/252.3; 435/189, 435/254.11, 435/320.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 3. Document ID: US 5919683 A

L5: Entry 3 of 5

File: USPT

Jul 6, 1999

US-PAT-NO: 5919683

DOCUMENT-IDENTIFIER: US 5919683 A

TITLE: Rhodococcus flavin reductase complementing DSZA and DSZC activity

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gray; Kevin A.	The Woodlands	TX		
Childs; John D.	The Woodlands	TX		
Squires; Charles H.	The Woodlands	TX		

US-CL-CURRENT: 435/189; 435/191, 435/252.3, 435/252.33, 435/320.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 4. Document ID: US 5811285 A

L5: Entry 4 of 5

File: USPT

Sep 22, 1998

US-PAT-NO: 5811285

DOCUMENT-IDENTIFIER: US 5811285 A

TITLE: DSZD utilization in desulfurization of DBT by rhodococcus sp. IGTS8

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gray; Kevin A.	The Woodlands	TX		
Squires; Charles H.	The Woodlands	TX		
Monticello; Daniel J.	The Woodlands	TX		

US-CL-CURRENT: 435/252.3; 435/320.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 5. Document ID: US 5804433 A

L5: Entry 5 of 5

File: USPT

Sep 8, 1998

US-PAT-NO: 5804433

DOCUMENT-IDENTIFIER: US 5804433 A

TITLE: Rhodococcus flavin reductase complementing DszA and DszC activity

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gray; Kevin A.	The Woodlands	TX		
Childs; John D.	The Woodlands	TX		
Squires; Charles H.	The Woodlands	TX		

US-CL-CURRENT: 435/252.3; 435/189, 435/252.33, 435/320.1, 536/23.1, 536/23.2,
536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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Terms	Documents
L4 and (DszC)	5

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